

CLAIMS

I/we claim:

1. A cover of a lighting unit for a vehicle, comprising:
a first resin layer having a first color, with blanked regions thereof; and
a second resin layer having a second color, laminated and molded to said first resin layer on a back side of a second resin layer, and positioned on a surface side of said cover,
wherein at least a portion of the second resin layer protrudes toward the first resin layer side, and a boundary surface between the laminated first and second resin layers is offset toward the first resin layer side.
2. The cover of claim 1, wherein said first resin layer is subjected to preblanking and said second resin layer is subjected to postblanking.
3. The cover of claim 1, wherein the protruded portion on the second resin layer side in the laminated portion is provided in at least a region in which the second resin flowing after the postblanking is moved from a laminated layer to a single layer.
4. The cover of claim 1, wherein said boundary surface is offset by about 0.2 to 0.8 mm.

5. The cover of claim 1 wherein said first color of said first resin layer substantially blocks light from said lighting unit, and said second color of said second resin layer substantially transmits said light.

6. The cover of claim 5, wherein said first color is black and said second color is clear.

7. The cover of claim 1, wherein said at least said portion comprises one of: (a) a first side of a part of the boundary positioned between light transmission regions of the light cover; (b) said part of the boundary positioned between light transmission regions of the light cover; and (c) said boundary.

8. A method of manufacturing a light cover for a lighting unit, comprising:

(a) performing primary molding on a first resin layer having a first color that substantially blocks light to generate a primary molded product having light passage regions

(b) inserting the primary molded product into a metal mold having a cavity portion for forming a secondary molded product;

(c) injecting a second resin, having a second color that does not substantially block light, into said cavity portion of said metal mold, wherein the temperature of said second resin partially melts said primary molded product, and said primary molded product is substantially laminated to said second resin

to form said secondary molded product; and

(d) blocking a flow of said melted primary product into said light passage regions via a step portion of said secondary molded product, wherein said cover is formed by said laminated primary molded product and said secondary molded product.

9. The method of claim 8, wherein said primary molded product is subjected to preblanking and said secondary molded product is subjected to postblanking.

10. The method of claim 8, wherein the step portion on the second resin layer side in the laminated portion is provided in at least a region in which the second resin flowing after the postblanking is moved from a laminated layer to a single layer.

11. The method of claim 8, wherein said step portion has a thickness of about 0.2 to 0.8 mm.

12. The method of claim 8 wherein said first color of said first resin substantially blocks light, and said second color of said second resin substantially transmits said light.

13. The method of claim 12, wherein said first color is black and said second color is clear.

14. The method of claim 8, wherein said at step portion comprises one of: (a) a first side of a part of the boundary positioned between light passage regions of the light cover; (b) said part of the boundary positioned between light passage regions of the light cover; and (c) said boundary.